

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 50.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001723**Date Inspected:** 02-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Jiangyin**Location:** Chang xing dao, Shanghai**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested for the OBG segment, 7EW, internal ceiling from the weld seam to p.p59 to p.p60 for the visual inspection after Pre blasting, vide request no. 2602. This Caltrans inspector observed, ABF inspectors Mr. Sun, Mr. Jiang huan, Mr. Zhou wei and Mr. wei chang yun performing visual inspection of weld repairs, Spatters, dent etc. Caltrans Inspectors Mr. Tim mclandon was present during this inspection. Residual chlorides test conducted by ZPMC and the results were found to be 10 us/cm which is acceptable as per contract documents. Several points have been marked by Caltrans inspectors and ABF Inspectors which was attended by ZPMC Before offering the same segment again for Blasting clearance vide notification no. 2604 . The same was found marked for minor blasting at U ribs, transverse weld and cross beam bolt holes by ABF Inspectors. The same was attended and reoffered for inspection vide notification no. 2605 and was released for primer coat. The ambient conditions found to be 4.2 deg. above dew point and the relative humidity found to be 67.4% inside the paint shop which is found to be within the parameters of contract documents. International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

2. An inspection was requested for Interzinc 22 application inspection for OBG internal diaphragm weld seam reblasting after UT - L5W at OBG assembly yard, request no. 2603. This Caltrans inspector observed, ABF Inspector Mr. Shi stone and Mr. Jiang huan performing primer inspection of the specified areas. This was found

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

accepted by ABF after ZPMC attended the marked points for grinding and reblasting . Surface profile on the blasted areas measured by ZPMC by coarse grain method found to be 76 to 82 microns which is acceptable as per contract documents. Ambient conditions were monitored and found to be within the parameters of contract documents. . International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

Summary of Conversations:

No applicable conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest (15000422360), who represents the Office of Structural Materials for your project.

| | | |
|----------------------|---------------------|-----------------------------|
| Inspected By: | Baskar,Govindarajan | Quality Assurance Inspector |
| Reviewed By: | Clifford,William | QA Reviewer |
